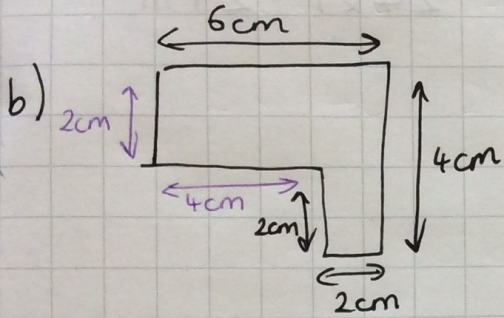


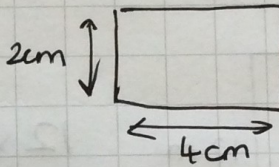
$$\text{Perimeter} = 6 + 6 + 4 + 4 = 20 \text{ cm}$$

$$\text{Area} = 6 \times 4 = 24 \text{ cm}^2$$

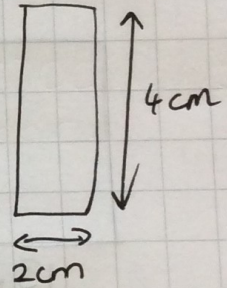


I'm going to split this into 2 pieces to check area.

$$\begin{aligned} \text{Perimeter} &= 6 + 4 + 2 + 2 + 4 + 2 \\ &= 20 \text{ cm} \end{aligned}$$



$$2 \times 4 = 8 \text{ cm}^2$$



$$4 \times 2 = 8 \text{ cm}^2$$

$$8 + 8 = 16 \text{ so area} = 16 \text{ cm}^2.$$

3. a) To work out the length of the unknown side:

$$? \times 8 = 32 \text{ so } ? = 4 \text{ cm}$$

b)  $8 + 8 + ? + ? = 40$

$$? + ? = 24 \text{ so } ? = 12 \text{ cm}$$

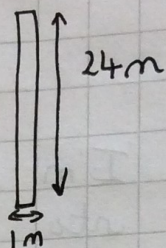
c) This is a square so all 4 sides must be the same length.

$$36 \div 4 = 9 \text{ so each side is } 9 \text{ m}$$



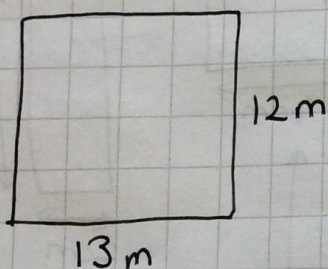
7. 50m.

b) Smallest area:



$$24 \times 1 = 24 \text{ m}^2$$

c)



$$12 \times 13 = 156 \text{ m}^2$$

For the greatest area, I need the shape closest to a square.

I wonder - if I actually made a square, each side would be  $12.5 \text{ m}$ .

$$12.5 \times 12.5 = 156.25 \text{ m}^2$$

But I'm not sure if we are allowed decimals!